INP Reference

Ibbenbüren – Coal-fired Power Plant

LOCATION: Ibbenbüren, Germany

SYSTEM/TECHNOLOGY: ABB Melody AC870P

SERVICES: Commissioning, Project management, Basic-engineering and pre-engineering, Detail engineering

INDUSTRY BRANCH/TYPE OF PLANT: Power Generation, Power plants

CLIENT: RWE Power AG

POINTS OF CONTACT



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PLANT

The 752 megawatt coal-fired block generated its first electricity on 19 June 1985. Since then, the facility has been used for providing base load and medium load. A slag tap furnace is required for generating electricity from the anthracite coal with low volatility supplied from the adjacent coal mine. The slag tap boiler at Ibbenbüren is the largest boiler of this kind in the world. As well as the main fuel, anthracite coal from Ibbenbüren mine, heating oil is used as an ignition and support fuel, as well as petroleum coke. The operator is RWE Power AG.

INP Services

- Instrumentation and control link-up based on ABB Melody AC870P
- Matrix patchboards, automation cabinets and multi-function cabinets for activating the drives
- Management of all control and monitoring functions
- Connection to the central process I&C system via a redundant fiber optic ring
- Planning and implementation of the cable ducts
- Connection of the I&C components to subdistribution panels and electrical engineering supply devices
- Ordering and delivery of the hardware
- Installation and commissioning
- Technical function check
- Documentation with the PC-based engineering system, Composer 5.1